CONTENTS OF *FOREST ECOLOGY AND MANAGEMENT*
VOLUME 25

VOL. 25 NO. 1 SEPTEMBER 1988

Dispersal of *Quercus mongolica* acorns in a deciduous broadleaved forest.
1. Disappearance
K. Kikuzawa (Hokkaido, Japan) 1
Dispersal of *Quercus mongolica* acorns in a deciduous broadleaved forest.
2. Scatterhoarding by mice
M. Miyaki and K. Kikuzawa (Hokkaido, Japan) 9
Effect of flowering phenology, date of cone collection, cone-storage treatment and seed pretreatment on yield and germination of seeds from a Douglas-fir seed orchard
D.G.W. Edwards (Victoria, B.C., Canada) and Y.A. El-Kassaby (Saanichton, B.C., Canada) 17
An integrated forest process model: its calibration and its predictive performance
K. Rennolls and P. Blackwell (Farnham, Great Britain) 31
Multiple covariance: its utility in analysing forest fertilizer experiments
R.C. Woollons and A.G.D. Whyte (Christchurch, New Zealand) 59

Short Communication
Volume tables for *Abies borisii regis*
K.G. Matis (Thessaloniki, Greece) 73

VOL. 25 NO. 2 OCTOBER 1988

Root sprouting in American beech (*Fagus grandifolia*): Effects of root injury, root exposure and season
R.H. Jones and D.J. Raynal (Syracuse, NY, U.S.A.) 79
Response of a young loblolly pine (*Pinus taeda*) plantation to herbicide release treatments using hexazinone
B.R. Zutter, D.H. Gjerstad (Auburn, AL, U.S.A.), A.L. Webb (Lee, FL, U.S.A.) and G.R. Glover (Auburn, AL, U.S.A.) 91
Ecosystem fragmentation of oak–pine forest in the New Jersey Pinelands
D.J. Gibson , S.L. Collins and R.E. Good (New Brunswick, NJ, U.S.A.) 105
Diameter distributional trends within mixed black-spruce/balsam-fir and pure black-spruce stand types
P.F. Newton (St. John's, Nfld., Canada) and V.G. Smith (Toronto, Ont., Canada) 123
Explanations of the imbalanced age structure and scattered distribution of ponderosa pine within a high-elevation mixed coniferous forest
S.J. Stein (Boulder, CO, U.S.A.) 139

Book Review
Forest history of Cyprus 155

Announcement 157

VOL. 25 NO. 3 **NOVEMBER 1988**

Soil conservation in Kondoa, Tanzania: the case of the Rangi people in the HADO area
A.G. Mugasha (Lushoto, Tanzania) and L. Nshubemuki (Mafinga, Tanzania) 159
Measured and simulated water relations in a Douglas-fir forest during the development of drought in the Alpennines, central Italy
P.J. Kowalik (Gdansk-Wrzeszcz, Poland and Firenze, Italy), M. Borghetti, E. Busoni, G. Sanesi and G.G. Vendramin (Firenze, Italy) 181
Seed and seedling ecology of *Brachystegia spiciformis*, a predominant tree component in miombo woodlands in south central Africa
W.H.O. Ernst (Amsterdam, The Netherlands) 195
Effect of species mix on size/density and leaf-area relations in southwest pinyon/juniper woodlands
T.M. Schuler and F.W. Smith (Fort Collins, CO, U.S.A.) 211
Air pollution and *Pinus strobus* height growth: a soil/site modelling approach
J.R. McClenahen and J.H. Brown (Wooster, OH, U.S.A.) 221
Fuelwood production and use in rural Swaziland: a case-study of two communities
J.A. Allen, D.P. Pimental and J.P. Lassoie (Ithaca, NY, U.S.A.) 239
Simulation of the development of Norway spruce stands using a transition matrix
T. Pukkala and T. Kolström (Joensuu, Finland) 255
Effects of the December 1983 tornado on forest vegetation of the Big Thicket, southeast Texas, U.S.A.
J.S. Glitzenstein and P.A. Harcombe (Houston, TX, U.S.A.) 269

Short Communication
Survival and growth of seedlings of 14 Australian dry-zone acacias under nursery conditions in Zomba, Malawi
N.R. Ngulube (Zomba, Malawi) 291

Book Review
Acid rain: science and politics 299

Announcement 301

Author Index 302

Subject Index 304

Contents of *Forest Ecology and Management* Volume 25 307